CLAIMS

1.   A speech recognition system, comprising:

a features extractor that extracts a multitude of speech features;

a log-linear function that receives the multitude of speech
5   features to determine a posterior probability of a hypothesized
linquistic unit given the extracted multitude of speech features, and

a search device that consults the log-linear function to
determine a recognized output of unknown utterances.

2.   The speech recognition system of claim 1, wherein the log
10   linear function models the posterior probability using a log linear
model

3.   The speech recognition system of claim 1, wherein the
speech features comprise at least one of asynchronous, overlapping, and
statistically non-independent speech features.

4.   The speech recognition system of claim 1, wherein at least
one of the speech features extracted is derived from incomplete data.

5.   The speech recognition system of claim 1, further
comprising a loopback.

6.   The speech recognition system of claim 1, wherein the
features are extracted using direct matching between test data and
training data.

7.   A speech recognition method, comprising:

5   extracting a multitude of speech features;

determining a posterior probability of a hypothesized linquistic
unit given the extracted multitude of speech features, and

using a log-linear function, determining a recognized output of
unknown utterances.

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10   8.   The speech recognition method of claim 7, wherein the log linear function models the posterior probability using a log linear model.

9.   The speech recognition method of claim 7, wherein the speech features comprise at least one of asynchronous, overlapping, and statistically non-independent speech features.

10.   The speech recognition method of claim 7, wherein at least one of the speech features extracted is derived from incomplete data.

11.   The speech recognition method of claim 7, further comprising a step of loopback.

12.   The speech recognition method of claim 7, wherein the features are extracted using direct matching between test data and training data.

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